Index of Claims

10/719,607

Applicant(s)/Patent under Reexamination

VAN TRUMP, JAMES EDMOND

Examiner

Leo B. Tentoni

Art Unit 1732

| √ | Rejected | - | (Through numeral)<br>Cancelled | N | Non-Elected  |
|---|----------|---|--------------------------------|---|--------------|
| = | Allowed  | ÷ | Restricted                     | 1 | Interference |

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| Claim Date                                       |          |                     |         | Cla          | Date     |          |                 |          |          |             |            |                | Claim    |          |          | Date     |         |         |  |   |                        |              |          |               |         |                    |              |                 |          |            |
|--|----------|---------------------|---------|--------------|----------|----------|-----------------|----------|----------|-------------|------------|----------------|----------|----------|----------|----------|---------|---------|--|---|------------------------|--------------|----------|---------------|---------|--------------------|--------------|-----------------|----------|------------|
|  | <u></u>  | 出口                  |         |              |          |          |                 |          |          |             |            |                |          |          |          |          |         |         |  |   |                        | <del>-</del> |          |               |         |                    |              |                 |          | ĺ          |
| Final  | Original | 77                  |         | ì            |          |          |                 |          |          | Final       | Original   |                |          |          |          |          |         |         | 1  |   | Final                  | Original     |          |               |         |                    |              |                 |          | l          |
| 造  | j.       | ائز                 |         |              |          |          |                 |          |          | ﻧ਼ੋ=        | <u>:</u> E |                |          |          |          |          |         |         | 1  |   | 遣                      | .jg          |          |               |         |                    |              |                 |          | ĺ          |
|  |          | $\alpha_{\rm d}$    |         |              |          |          |                 |          |          |             | ١٥         |                |          |          | -        |          |         |         |  |   |                        | 0            |          |               |         |                    |              |                 |          |            |
|  | 1        | <b>V</b>            |         | Г            |          |          |                 |          |          |             | 51         |                |          | П        |          |          |         |         |  | ] |                        | 101          |          |               |         |                    |              | П               |          |            |
|  | 2        |                     |         | П            |          |          |                 |          |          |             | 52         |                |          | $\Box$   | П        | T        | Т       |         |  | 1 |                        | 102          |          |               |         |                    |              | П               |          |            |
|  | 3        |                     |         |              |          |          |                 |          |          |             | 53         |                |          |          |          |          |         |         | $\prod$  |   |                        | 103          |          |               |         |                    | Г            |                 |          |            |
|  | 4        |                     |         |              |          |          |                 |          |          |             | 54         |                |          |          |          |          |         |         |  |   |                        | 104          |          |               |         |                    |              |                 |          |            |
|  | 5        | Ш                   |         |              |          |          |                 |          |          |             | 55         |                |          |          |          |          |         |         |  |   |                        | 105          |          |               |         |                    |              |                 |          | Ĺ          |
|  | 6        |                     |         |              |          |          |                 |          |          |             | 56         |                |          |          |          |          |         |         | _  |   |                        | 106          |          |               |         |                    |              |                 |          |            |
|  |          | V                   |         |              |          |          |                 |          |          |             | 57         |                |          |          |          |          |         |         | L  |   |                        | 107          |          |               |         | $\perp$            |              | Ш               |          |            |
|  | 8        | <b>V</b>            |         | $oxed{}$     |          |          |                 |          | ╛        |             | 58         |                |          |          |          |          | ┙       |         |  |   | Ш                      | 108          |          |               |         | $\perp$            |              |                 |          | L          |
|  | 9        | N                   |         |              | <u> </u> | Ш        |                 | L        | 4        |             | 59         |                | Ш        | $\perp$  | $\perp$  |          | $\perp$ | ot      |  |   |                        | 109          |          |               | $\perp$ |                    |              | Ш               |          | L          |
|  | 10       |                     |         |              |          | Ш        |                 |          |          | <u></u>     | 60         | L              |          | $\perp$  | $\perp$  |          | $\perp$ | $\perp$ | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |   | $\Box$                 | 110          |          |               | $\perp$ |                    |              |                 |          |            |
|  | 11       |                     |         |              | <u> </u> |          | Ш               | $\perp$  | _        |             | 61         |                |          | [        |          |          | $\perp$ | $\perp$ |  |   |                        | 111          |          |               |         | $oldsymbol{\perp}$ |              | Ш               |          | L          |
| $\sqcup \sqcup$                                  | 12       | $\sqcup$            |         | $\bot$       | 1_       |          | Ш               | _        | 4        |             | 62         | Ш              |          |          | _        | _ _      |         | $\perp$ | 1  |   | لـــــا                | 112          | Ш        |               | $\perp$ |                    |              | Ш               |          | <u>_</u>   |
| $\sqcup \sqcup$                                  | 13       | $\sqcup$            | $\perp$ | 1            | 1        | Ш        | Ш               |          | 4        | <u></u>     | 63         | Ш              | Щ        | $\perp$  | $\perp$  | $\perp$  | $\perp$ | _       | $\perp$  |   | $\sqcup \sqcup$        | 113          | Ш        | _ _           | $\bot$  | _                  | $oxed{oxed}$ | Ш               |          | L          |
| $\sqcup \sqcup$                                  | 14       | $\sqcup$            | $\perp$ | 1            | 1        |          | Ш               |          | 4        |             | 64         | Ш              | Ш        | $\perp$  | $\perp$  | $\perp$  | $\perp$ | $\perp$ | _  |   | oxdot                  | 114          |          |               | $\perp$ | 1_                 | _            | Ш               |          | L          |
| $\sqcup \sqcup$                                  | 15       | Ш                   | $\perp$ | <u> </u>     | 1        |          | Ш               | _        | 4        | <u></u>     | 65         | Ш              |          | $\perp$  | $\perp$  |          | 4       | $\perp$ | $\perp$  | 1 | otacluster             | 115          |          |               |         | 1_                 | _            | Ш               |          | L          |
|  | 16       | $\sqcup$            | $\perp$ | 1            | ـــــ    | Ш        |                 |          | 4        |             | 66         | Щ              |          | _        |          |          | _       |         | 1  |   | oxdot                  | 116          |          | $\Box \bot$   | $\perp$ | 1                  | <u> </u>     | Ш               |          | <u> </u>   |
|  | 17       | $\sqcup \downarrow$ |         | 1            | $\perp$  | Ш        | Ш               |          | 4        |             | 67         | Щ              |          | _        |          | $\perp$  |         | $\perp$ | Щ  |   | $\sqcup \sqcup$        | 117          | Ш        | $\perp \perp$ | $\perp$ | $\perp$            | _            | Ш               |          | L          |
| $\square$  | 18       | $\sqcup$            |         | 1            | _        | Ш        |                 |          | 4        |             | 68         |                |          |          | 4        | 4        | _       |         | 1  |   | Щ                      | 118          |          |               | $\perp$ | ┸                  |              | Ш               |          | <u> </u>   |
| $\vdash$   | 19       | $\vdash$            |         | 4_           | _        | Ш        | Li              | $\perp$  | 4        | <u> </u>    | 69         | Щ              |          | _        |          | $\perp$  | _       | $\bot$  | ╄  |   |                        | 119          |          |               | 1       | 1                  | _            | Ш               |          | <u> </u>   |
|  | 20       | L                   |         | ļ.,          | <u> </u> | Ш        | $\Box$          | _        | 4        |             | 70         |                |          | _        | _        | _        |         |         | <u> </u>   |   | Ш                      | 120          |          | _             | 4       | 1                  | ļ            | Ш               |          | <u> </u>   |
|  | 21       |                     | _       | ╄            | <u> </u> | Ш        |                 |          | 4        |             | 71         |                |          | _        | _        | _        |         | _       | ↓  |   |                        | 121          |          |               | $\perp$ | _                  | _            | Ш               |          | L          |
|  | 22       |                     |         | _            |          |          | $\Box$          |          | 4        |             | 72         | Ш              | $\perp$  | 4        | 4        | 4        | 4       | $\bot$  | $\perp$  | 1 |                        | 122          |          | _             | 4       | _                  | ļ            | Ш               |          | <u> </u>   |
| $\vdash$   | 23       |                     | _       | ╄            |          |          | $\dashv$        | -        | 4        |             | 73         | Ц              | $\perp$  | _        | _        | 4        | 4       | 4       | -  |   |                        | 123          |          |               | $\bot$  | $\bot$             | _            | Ш               | _        | <u> </u>   |
|  | 24       |                     |         | ╂            | ļ        | Ш        | $\vdash$        | $\perp$  | 4        |             | 74         | L              |          | -        | 4        | 4        | $\perp$ | _       | <u> </u>   | ŀ |                        | 124          | -        | _             | 4       | 4                  | _            | Н               | _        | <u> </u>   |
| $\vdash$   | 25       |                     |         | ╀            | _        | Щ        | $\vdash$        |          | 4        |             | 75         | Н              | -        | $\dashv$ | $\dashv$ | +        | +       | -       | +-   |   |                        | 125          | .        | _             | +       | _                  | 1            |                 |          |            |
| $\vdash$   | 26<br>27 | $\dashv$            |         | ╄            |          |          |                 |          | 4        |             | 76         |                | $\dashv$ | $\dashv$ | +        | +        | -       |         |  |   |                        | 126          | -        |               | +       | ╄                  | -            |                 | _        | <u> </u>   |
| $\vdash$   |          | $\dashv$            |         | ┼            |          | $\vdash$ | $\vdash$        | +        | 4        |             | 77         | -              | $\dashv$ | _        | _        | 4        | -       | +       |  |   | L                      | 127          |          |               | +       | ╀                  | 1            | $\sqcup$        | _        | <u> </u>   |
| $\vdash$   | 28       |                     | -       | ╀            | -        | Н        | $\dashv$        |          | 4        |             | 78         |                | -        | +        | 4        | 4        | +       |         | -  | ŀ | ļ                      | 128          | -        | _             | +       | +                  |              |                 | _        | <u> — </u> |
| $\vdash$   | 29<br>30 | $\dashv$            | +       | ╁            |          |          | $\vdash$        |          | 4        |             | 79         | Н              | $\dashv$ | $\dashv$ | +        | -        | _       | +       |  |   |                        | 129          |          | _             | +       | -                  | ┡            | -               |          | <u> </u>   |
| $\vdash$   |          | -                   | - -     | ╀            | 1        | $\vdash$ | $\dashv$        | -        | 4        |             | 80         | $\vdash$       | $\dashv$ | -        | +        | +        |         | +       |  |   |                        | 130          |          |               | +       | +                  | ⊢            | $\vdash$        | _        | <u> </u>   |
| $\vdash$   | 31<br>32 | -                   |         | +            | $\vdash$ | $\vdash$ | $\vdash \vdash$ | +        | $\dashv$ | <u> </u>    | 81<br>82   | Н              | $\dashv$ | $\dashv$ | +        | -        | +       | +-      | +-   |   | $\vdash$               | 131          | $\vdash$ | +             | +       | +                  | ├-           | $\vdash \vdash$ | _        | <u> </u>   |
| $\vdash\vdash$                                   | 33       | -                   |         | +            | $\vdash$ | $\vdash$ | $\vdash \vdash$ |          | -        | <del></del> | 83         | $\vdash$       | $\vdash$ | $\dashv$ | +        | +        | +       | +       | +  | l | $\vdash$ $\dashv$      | 132<br>133   | $\vdash$ | +             | +       | +-                 | -            | $\vdash \vdash$ |          | -          |
| <del>  </del>                                    | 34       | $\dashv$            | +       | +            | ┢        | $\vdash$ | $\vdash$        | +        | $\dashv$ | -           | 84         | $\vdash$       | $\dashv$ | -        | +        | +        | +       | +-      | +  |   |                        | 134          | -        |               | +       | +                  | +-           | $\vdash$        | $\dashv$ | -          |
| $\vdash\vdash\vdash$                             | 35       | $\dashv$            | +       | +            | $\vdash$ | H        | $\dashv$        | +        | $\dashv$ | <b> </b>    | 85         | $\vdash$       | $\dashv$ | $\dashv$ | +        | +        | +       | +       | +  |   | $\vdash \vdash \vdash$ | 135          | $\dashv$ | +             | +       | +                  | ├            | $\vdash \vdash$ | $\dashv$ | _          |
| $\vdash\vdash$                                   | 36       | $\dashv$            | +       | ╁            | ┢        | Н        | $\dashv$        | +        | -        | -           | 86         | $\vdash$       | $\dashv$ | $\dashv$ | +        | +        | +       | +       | +  |   | $\vdash \vdash \vdash$ | 136          | -        | +             | +-      | +-                 | $\vdash$     | $\vdash \vdash$ | -        |            |
|  | 37       | $\dashv$            |         | +            | $\vdash$ | Н        | $\dashv$        | $\dashv$ | 1        |             | 87         | $\vdash$       | -+       | $\dashv$ | $\dashv$ | +        | +       | +       | +  |   | $\vdash \vdash \vdash$ | 137          |          | $\dashv$      | +-      | ╁                  | $\vdash$     | $\vdash$        | $\dashv$ | -          |
| <del>                                     </del> | 38       | +                   |         | +            | $\vdash$ | $\vdash$ | $\dashv$        | $\dashv$ | 1        |             | 88         | $\vdash$       | -+       | $\dashv$ | $\dashv$ | +        | +       | +       | +  |   | $\vdash$               | 138          |          | -+            | +       | +                  | 1            | $\vdash$        | $\dashv$ | _          |
|  | 39       | $\dashv$            | -       | t            | $\vdash$ | $\vdash$ | $\dashv$        | - -      | 1        | $\vdash$    | 89         | $\vdash$       | -        | $\dashv$ | $\dashv$ | +        | ╫       | +-      | +  |   | $\vdash \vdash$        | 139          |          | $\dashv$      | +       | +                  | $\vdash$     | $\vdash$        |          |            |
| $\vdash$   | 40       | $\dashv$            |         | T            | <u> </u> | H        | $\dashv$        | $\dashv$ | 1        |             | 90         | Н              | $\dashv$ | $\dashv$ | $\dashv$ | +        | +       | +       | +  |   | $\vdash \vdash$        | 140          |          | +             | +       | ╁                  | $\vdash$     | $\vdash$        | -        |            |
| $\vdash$   | 41       | $\dashv$            | +       | $\vdash$     | $\vdash$ | $\vdash$ |                 | $\dashv$ | $\dashv$ |             | 91         | $\vdash$       | -        | $\dashv$ | +        | +        | +       | +       | +  |   | $\vdash \vdash$        | 141          |          | $\dashv$      | +-      | +-                 | $\vdash$     | $\vdash$        | -        |            |
|  | 42       | $\dashv$            | $\top$  | <del> </del> | †        | $\vdash$ | $\dashv$        |          | 1        |             | 92         | H              | -        |          | +        | +        | +-      | +       | +-   |   | $\vdash$               | 142          | $\dashv$ | $\dashv$      | +-      | +-                 | $\vdash$     | $\vdash$        | $\dashv$ | —          |
| $\Box$   | 43       | $\dashv$            | $\top$  | t            |          | H        | +               | $\dashv$ | 1        | <b>—</b>    | 93         | H              | +        | +        | $\dashv$ | +        | +       | +       | +  |   | $\vdash \vdash$        | 143          | $\dashv$ |               | +-      | +-                 | $\vdash$     | $\vdash$        |          |            |
|  | 44       | $\dashv$            | $\top$  | $\vdash$     | $\vdash$ | Н        | $\dashv$        | $\dashv$ | 1        |             | 94         | $\vdash$       | -        | $\dashv$ | $\dashv$ | +        | +       | +       | $\vdash$   |   | $\vdash \dashv$        | 144          |          |               | +       | +                  | $\vdash$     | $\dashv$        |          |            |
| <u> </u>   | 45       | $\dashv$            | $\top$  | 1            |          |          | $\dashv$        |          | 1        | $\Box$      | 95         | H              | -        | 十        | +        | +        | +       | +       | $\vdash$   |   | $\vdash \vdash \vdash$ | 145          | $\dashv$ | $\dashv$      | +       | +                  |              | $\dashv$        | $\dashv$ |            |
|  | 46       | $\dashv$            | 1-      |              | П        | $\vdash$ | $\dashv$        | $\dashv$ | 1        |             | 96         | H              | $\dashv$ | $\dashv$ | +        | +        | +       | +       | +  |   | ├─┤                    | 146          | -        | $\dashv$      | +       | +                  | H            | $\dashv$        | $\dashv$ | _          |
| $\Box$   | 47       | $\dashv$            | $\top$  | 1            |          | $\vdash$ | _               | $\dashv$ | 1        |             | 97         | $\vdash$       | -        | $\dashv$ | +        | $\dashv$ | +       | +       | $\vdash$   |   | $\vdash$               | 147          | _        | $\dashv$      | +       | +-                 |              | -               | $\dashv$ |            |
|  | 48       | 十                   | $\top$  | t            |          | $\vdash$ | $\dashv$        | $\dashv$ | 1        |             | 98         | H              | $\dashv$ | $\dashv$ | $\dashv$ | 十        | +       | +-      | $\vdash$   |   | $\vdash \vdash \vdash$ | 148          | $\dashv$ | -+            | +-      | +                  | $\vdash$     | $\dashv$        | ᅱ        | _          |
| $\Box$   | 49       | $\dashv$            | $\top$  | T            |          |          | $\dashv$        | -        | 1        | $\vdash$    | 99         | $\vdash$       | $\dashv$ | _        | 十        | +        | +       | +       | $\vdash$   |   | ├─┤                    | 149          |          |               | +       | +-                 | $\vdash$     | -+              | ᅥ        | _          |
|  | 50       |                     | _       | 1 -          | Н        | $\vdash$ | $\dashv$        | $\dashv$ | 1        | $\vdash$    | 100        | <del>   </del> | $\dashv$ | $\dashv$ | -+-      | +        | +       | +-      | +  |   | $\vdash$               | 150          | -+       | $\dashv$      | +-      | +-                 |              | -               | $\dashv$ |            |